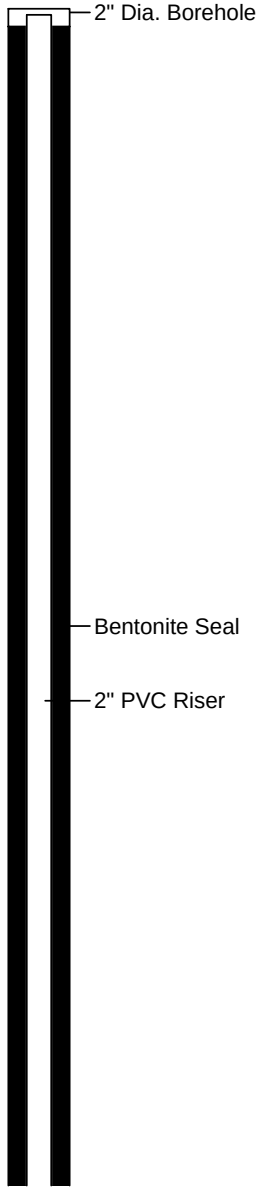
Boring/Well ID: MMW-P-11D

CLIENT: AIMCO	FIELD SCIENTIST: Sarah Webb, L. P. G.
PROJECT LOCATION: Indianapolis, Indiana	DATE BEGAN: 8/31/11
PROJECT NAME: Michigan Meadows Apts	DATE FINISHED: 8/31/11
PROJECT NUMBER: M01046	DRILLING METHOD: Direct Push
DRILLING CONTRACTOR: Earth Exploration	DRILLING EQUIPMENT: Geoprobe 6620
DRILLER: Doug Carlson	GW DEPTH (OBSERVED): 24.0 ft
BORING LOCATION: SW of Michigan Plaza	SURFACE ELEVATION: NS

Depth BGS (ft)	USCS Symbol	Lithologic Description	Stratum Depth (ft)	TPV (ppm)	Recovery %	Sample Location	Sample ID
0		Grass/Topsoil	0.5				
1	SM	SILTY SAND with trace gravel, brown (10YR 5/3), dense, dry		0.6	75		
2				-			
3				0.6			
4				-			
5	SW	SAND with some gravel, Well Graded, brown (10YR 5/3), loose, dry	5.0	0.7	75		
6				0.5			
7		No Recovery 7 to 8 ft		-			
8				0.6			
9							
10				0.3	75		
11		No Recovery 11 to12 ft		-			
12		Moist below 12 ft		0.4			
13				0.4			
14		Yellowish red (5YR 5/8) oxidation 13 to 15 ft			75		
15		No Recovery 15 to 16 ft		-			
16				0.6		*	Soil Sample SBP11D:160170
17	SM	Fine grained SILTY SAND with trace gravel, brown (10YR 5/3), moist	17.0	0.7	75		
18							
19		No Recovery 19 to 20 ft		-			
20							

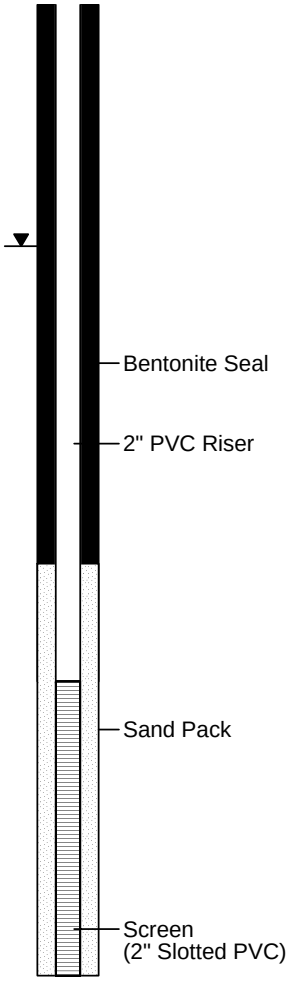


REMARKS:
BGS = Below Ground Surface
USCS = Unified Soil Classification System
TPV = Total Photoionizable Vapors
NS = Not Surveyed

Boring/Well ID: MMW-P-11D

CLIENT: AIMCO	FIELD SCIENTIST: Sarah Webb, L. P. G.
PROJECT LOCATION: Indianapolis, Indiana	DATE BEGAN: 8/31/11
PROJECT NAME: Michigan Meadows Apts	DATE FINISHED: 8/31/11
PROJECT NUMBER: M01046	DRILLING METHOD: Direct Push
DRILLING CONTRACTOR: Earth Exploration	DRILLING EQUIPMENT: Geoprobe 6620
DRILLER: Doug Carlson	GW DEPTH (OBSERVED): 24.0 ft
BORING LOCATION: SW of Michigan Plaza	SURFACE ELEVATION: NS

Depth BGS (ft)	USCS Symbol	Lithologic Description	Stratum Depth (ft)	TPV (ppm)	Recovery %	Sample Location	Sample ID
20	SW	SAND with trace gravel, Well Graded, brown (10YR 5/3), dense		12.4	75		
21		Fine to medium SAND 21 to 21.5 ft					
22		Medium to coarse SAND with trace gravel 21.5 to 23 ft		0.8			
23		No Recovery 23 to 24 ft		-			
24	SW-GW	Coarse SAND and GRAVEL, grayish brown (10YR 5/2), dense, wet	24.0	0.8	38		
25							
26		No Recovery 25.5 to 28 ft		-			
27							
28		Fine to coarse SAND 28 to 29 ft		0.7	83	*	Water Sample SBP11D:290
29							
30			30.5	1.2			
31	SW	Medium to coarse SAND with trace gravel, dense, wet		-			
32		No Recovery 31.5 to 32 ft		1.3	75		
33							
34				1.2			
35		No recovery 35 to 36 ft		-			
36			36.5	0.6			
37	CL	SILTY CLAY, gray (2.5Y 5/1), moist			75	*	Soil Sample SBP11D:370390
38		Becomes hard and dry at 39 ft	39.0	0.6		*	Water Sample SBP11D:390
39		End of boring at 39 ft					
40							



REMARKS:
BGS = Below Ground Surface
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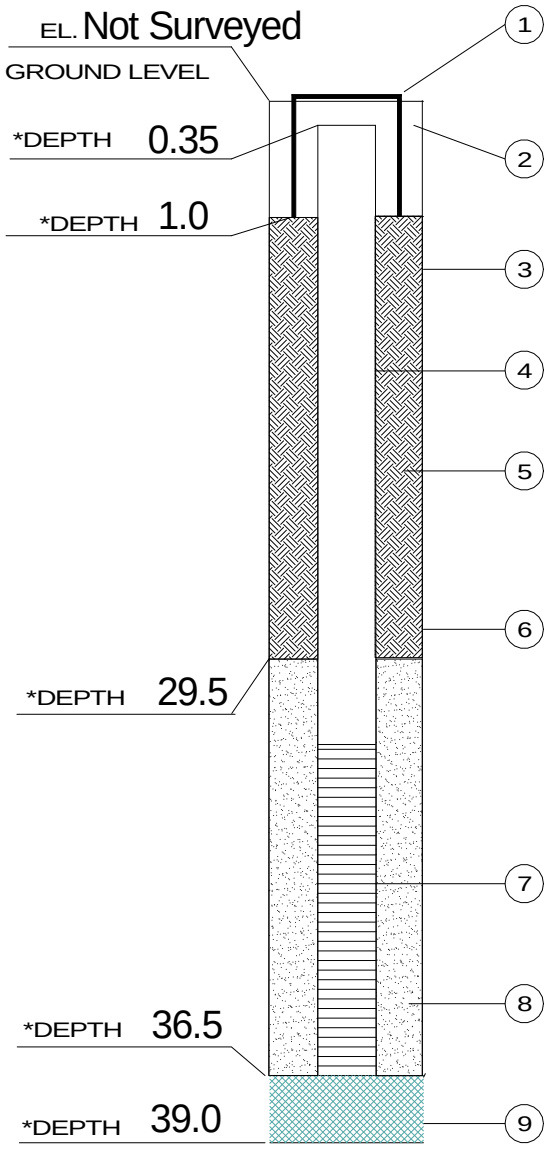
TPV = Total Photoionizable Vapors
NS = Not Surveyed

WELL CONSTRUCTION DIAGRAM

WELL NO. MMW-P-11D



*DEPTH IN FEET BELOW GROUND LEVEL

GEOLOGIST/FIELD SCIENTIST
Sarah Webb, L.P.G.

1. PROTECTIVE CASING I.D. 8.0 INCHES
2. SURFACE SEAL TYPE Concrete Cement
3. BOREHOLE DIAMETER 2.0 INCHES
4. RISER PIPE:
   a. Type Schedule 40 PVC
   b. I.D. 2.0 INCHES
   c. Length 31.5 FEET
   d. Joint Type Flush Threaded
5. BACKFILL:
   a. Type Crushed Bentonite
   b. Installation Poured
6. TYPE OF SEAL Grout Barrier
7. SCREEN:
   a. Type Schedule 40 PVC
   b. I.D. 2.0 INCHES
   c. Slot Size 0.01 INCHES
   d. Length 5.0 FEET
8. SCREEN FILTER TYPE #4 Sand
9. BACKFILL TYPE Natural Cave / Poured Sand

DATE COMPLETED 8/31/11
DEVELOPMENT METHOD Submersible Pump
DRILLING CONTRACTOR Earth Exploration
DRILLER Doug Carlson
RIG TYPE Geoprobe 6620

WELL CONSTRUCTION DIAGRAM

Michigan Plaza / Michigan Apts.

Indianapolis, Indiana

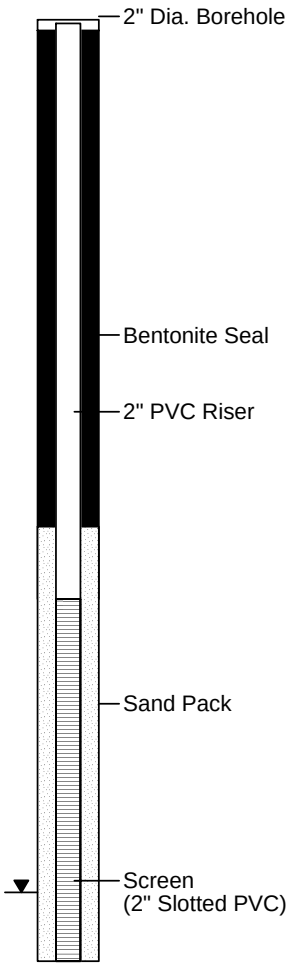
Project Number:	M01046
Drawing File:	MWW-P-11D Construction Diagram
Date Prepared:	12/15/11
Scale:	Not to Scale
Drn. By: ABW	Ckd. By: SEW
Approved By:	JAM

Mundell
Consulting Professionals for the Earth and the Environment
110 South Downey Avenue
Indianapolis, Indiana 46219-6406

Boring/Well ID: MMW-P-11S

CLIENT: AIMCO	FIELD SCIENTIST: Sarah Webb, L. P. G.
PROJECT LOCATION: Indianapolis, Indiana	DATE BEGAN: 8/31/11
PROJECT NAME: Michigan Meadows Apts	DATE FINISHED: 8/31/11
PROJECT NUMBER: M01046	DRILLING METHOD: Direct Push
DRILLING CONTRACTOR: Earth Exploration	DRILLING EQUIPMENT: Geoprobe 6620
DRILLER: Doug Carlson	GW DEPTH (OBSERVED): 24.0 ft
BORING LOCATION: SW of Michigan Plaza	SURFACE ELEVATION: NS

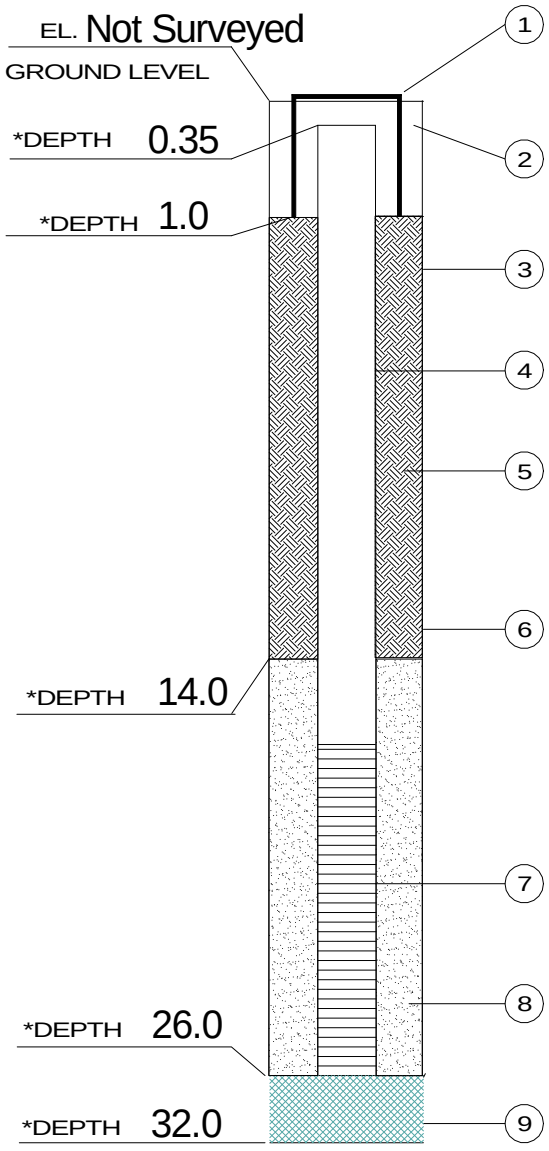
Depth BGS (ft)	USCS Symbol	Lithologic Description	Stratum Depth (ft)	TPV (ppm)	Recovery %	Sample Location	Sample ID
0		Grass/Topsoil	0.5	0.9	75		
1	SM	SILTY SAND with trace gravel, brown (10YR 5/3), dense, dry	1.5	0.6			
2				-			
3	SW	SAND with trace gravel, Well Graded, brown (10YR 5/3), loose					
4		No Recovery 3 to 4 ft	4.5	0.8	75		
5	SM	SILTY SAND with trace gravel, brown (10YR 5/3), dense	5.0	1.2			
6							
7	SW-GW	SAND and GRAVEL, Well Graded, brown (10YR 5/3), loose, moist		-			
8		No Recovery 7 to 8 ft	8.0	1.1	75		
9		SAND with some gravel, Well Graded, brown (10YR 5/3), loose, moist					
10				1.5			
11		Fine SAND seam with yellowish red (5YR 5/8) oxidation at 9.5 ft					
12		No Recovery 11 to 12 ft		-	0		
13		Rock in shoe 12 to 16 ft, cuttings indicate fine to medium SAND with trace gravel, brown (10YR 5/3)					
14							
15							
16	SW			1.2	63		
17		SILT with gravel seams, moist at 17.5 and 18 ft					
18				1.8			
19		No Recovery 18.5 to 20 ft		-			
20		Medium to coarse SAND with trace gravel, brownish gray (10YR 6/2), wet 20 to 23 ft					
21				13.0	75		
22		Coarse SAND and GRAVEL at 21 ft					
23				2.5			
24		No Recovery 23 to 24 ft		-			
25		Fine to coarse SAND and GRAVEL, grayish brown (10YR 5/2), dense, wet	24.0	1.8			
26					38		
27		No Recovery 25.5 to 28 ft		-			
28	SW-GW						
29				1.5			
30					25		
31		No Recovery 29 to 32 ft		-			
32			32.0				
		End of boring at 32 ft					



REMARKS:
BGS = Below Ground Surface
USCS = Unified Soil Classification System
TPV = Total Photoionizable Vapors
NS = Not Surveyed

WELL CONSTRUCTION DIAGRAM

WELL NO. MMW-P-11S



*DEPTH IN FEET BELOW GROUND LEVEL

GEOLOGIST/FIELD SCIENTIST
Sarah Webb, L.P.G.

1. PROTECTIVE CASING I.D. 8.0 INCHES
2. SURFACE SEAL TYPE Concrete Cement
3. BOREHOLE DIAMETER 2.0 INCHES
4. RISER PIPE:
   a. Type Schedule 40 PVC
   b. I.D. 2.0 INCHES
   c. Length 16.0 FEET
   d. Joint Type Flush Threaded
5. BACKFILL:
   a. Type Crushed Bentonite
   b. Installation Poured
6. TYPE OF SEAL Grout Barrier
7. SCREEN:
   a. Type Schedule 40 PVC
   b. I.D. 2.0 INCHES
   c. Slot Size 0.01 INCHES
   d. Length 10.0 FEET
8. SCREEN FILTER TYPE #4 Sand
9. BACKFILL TYPE Natural Cave / Poured Sand

DATE COMPLETED 8/31/11
DEVELOPMENT METHOD Submersible Pump
DRILLING CONTRACTOR Earth Exploration
DRILLER Doug Carlson
RIG TYPE Geoprobe 6620

WELL CONSTRUCTION DIAGRAM

Michigan Plaza / Michigan Apts.

Indianapolis, Indiana

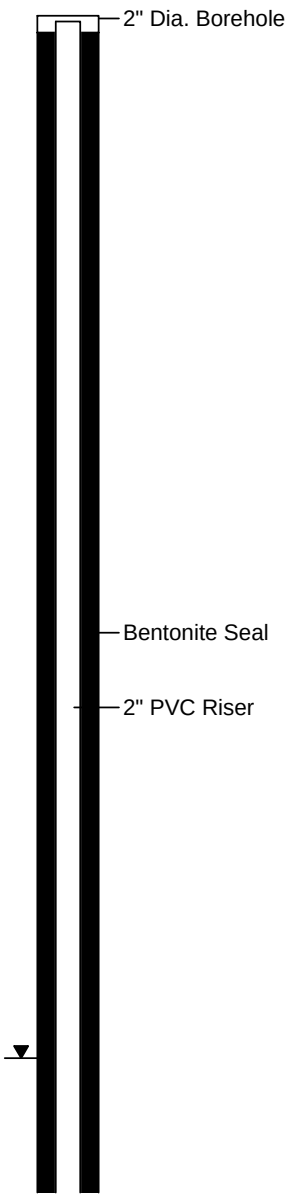
Project Number:	M01046
Drawing File:	MWW-P-11S Construction Diagram
Date Prepared:	12/15/11
Scale:	Not to Scale
Drn. By: ABW	Ckd. By: SEW
Approved By:	JAM

Mundell
Consulting Professionals for the Earth and the Environment
110 South Downey Avenue
Indianapolis, Indiana 46219-6406

Boring/Well ID: MMW-P-12D

CLIENT: AIMCO	FIELD SCIENTIST: Sarah Webb, L. P. G.
PROJECT LOCATION: Indianapolis, Indiana	DATE BEGAN: 9/1/11
PROJECT NAME: Michigan Meadows Apts	DATE FINISHED: 9/1/11
PROJECT NUMBER: M01046	DRILLING METHOD: Direct Push
DRILLING CONTRACTOR: Earth Exploration	DRILLING EQUIPMENT: Geoprobe 6620
DRILLER: Doug Carlson	GW DEPTH (OBSERVED): 18.5 ft
BORING LOCATION: NW of Michigan Plaza	SURFACE ELEVATION: NS

Depth BGS (ft)	USCS Symbol	Lithologic Description	Stratum Depth (ft)	TPV (ppm)	Recovery %	Sample Location	Sample ID
0		Asphalt/Topsoil	0.5				
1	SM	SILTY SAND with trace gravel, dark brown (7.5YR 3/2), dense, dry		3.6	75		
2				2.7			
3		No Recovery 3 to 4 ft		-			
4							
5	SW	SAND with some gravel, Well Graded, brown (10YR 5/3), loose, dry	5.0	7.0	75		
6				3.7			
7		No Recovery 7 to 8 ft		-			
8				3.8	63		
9							
10		Yellowish red (5YR 5/8) oxidation 10 to 10.5 ft		4.8			
11		No Recovery 10.5 to 12 ft		-			
12							
13				7.9			
14	ML	SILT with trace sand, brown (10YR 5/3), loose, moist	14.0		75		
15	SM	Fine SILTY SAND, brown (10YR 5/3) with yellowish red (5YR 5/8) oxidation, loose, moist	14.5	11.0			
16		No Recovery 15 to 16 ft	16.0	-			
17	SW	Fine to medium SAND with trace gravel, brown (10YR 5/3), dense		13.8	75	*	Soil Sample SBP12D:160180
18		Yellowish red (5YR 5/8) oxidation at 17.5 ft					
19	SW-GW	SAND and GRAVEL, Well Graded, gray (2.5Y 5/1), dense, wet	18.5	12.1			
20		No Recovery 19 to 20 ft	20.0	-			
21	SW	Fine to medium SAND with trace gravel, brownish gray (10YR 6/2), dense, wet		2.9	75		



REMARKS:
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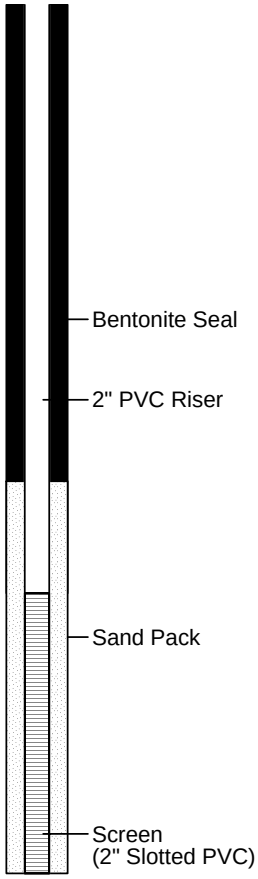
TPV = Total Photoionizable Vapors
NS = Not Surveyed

Boring/Well ID: MMW-P-12D

CLIENT: AIMCO	FIELD SCIENTIST: Sarah Webb, L. P. G.
PROJECT LOCATION: Indianapolis, Indiana	DATE BEGAN: 9/1/11
PROJECT NAME: Michigan Meadows Apts	DATE FINISHED: 9/1/11
PROJECT NUMBER: M01046	DRILLING METHOD: Direct Push
DRILLING CONTRACTOR: Earth Exploration	DRILLING EQUIPMENT: Geoprobe 6620
DRILLER: Doug Carlson	GW DEPTH (OBSERVED): 18.5 ft
BORING LOCATION: NW of Michigan Plaza	SURFACE ELEVATION: NS

Depth BGS (ft)	USCS Symbol	Lithologic Description	Stratum Depth (ft)	TPV (ppm)	Recovery %	Sample Location	Sample ID
21	CL	SILTY CLAY, brownish gray (10YR 6/2), hard, plastic, wet	21.0	2.9			
21.5			21.5				
22		SAND and GRAVEL, Well Graded, brownish gray (10YR 6/2), wet		1.3	75		
23		Coarse SAND and GRAVEL, gray (2.5Y 5/1) 22.5 to 23 ft		-			
24		No Recovery 23 to 24 ft		2.4			
25							
26					25	*	Water Sample SBP12D:260
27							
28							
29	SW-GW	No Recovery 25 to 32 ft		-			
30					0		
31							
32							
33				3.5			
34					100		
35				9.3			
36	SW	Fine SAND, brown (10YR 5/3), dense, wet	36.0			*	Water Sample SBP12D:360
36.5			36.5	6.5		*	Soil Sample SBP12D:360370
37		SILTY CLAY, gray (2.5Y 5/1), hard, dry					
38	CL				25		
39		No Recovery 37 to 40 ft		-			
40			40.0				
41		End of boring at 40 ft					
42							

MMW-P-12D



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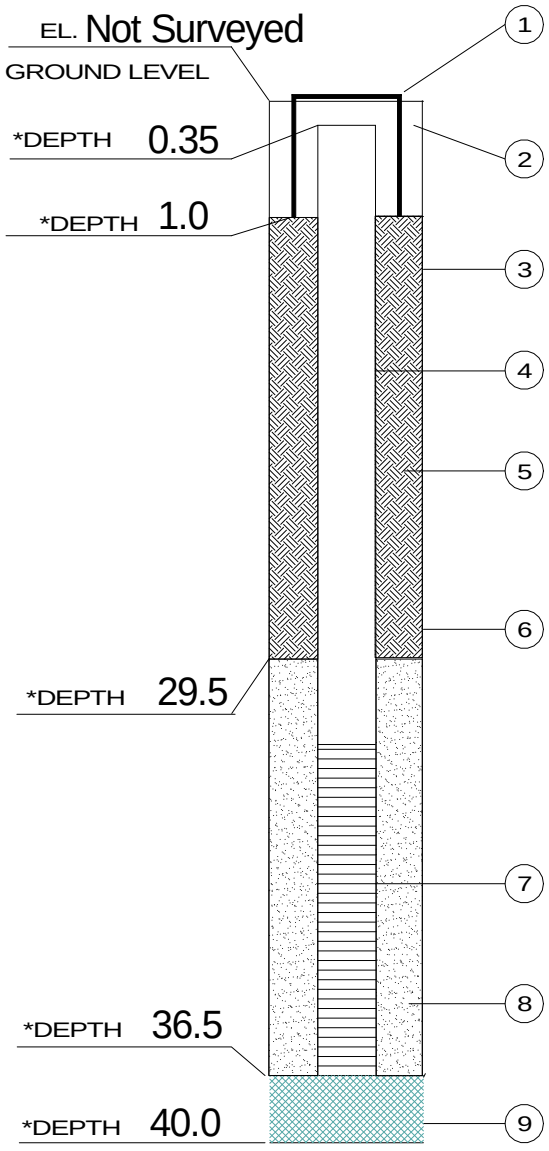
WELL CONSTRUCTION DIAGRAM

WELL NO. MMW-P-12D



*DEPTH IN FEET BELOW GROUND LEVEL

GEOLOGIST/FIELD SCIENTIST
Sarah Webb, L.P.G.

1. PROTECTIVE CASING I.D. 8.0 INCHES
2. SURFACE SEAL TYPE Concrete Cement
3. BOREHOLE DIAMETER 2.0 INCHES
4. RISER PIPE:
   a. Type Schedule 40 PVC
   b. I.D. 2.0 INCHES
   c. Length 31.5 FEET
   d. Joint Type Flush Threaded
5. BACKFILL:
   a. Type Crushed Bentonite
   b. Installation Poured
6. TYPE OF SEAL Grout Barrier
7. SCREEN:
   a. Type Schedule 40 PVC
   b. I.D. 2.0 INCHES
   c. Slot Size 0.01 INCHES
   d. Length 5.0 FEET
8. SCREEN FILTER TYPE #4 Sand
9. BACKFILL TYPE Natural Cave / Poured Sand

DATE COMPLETED 9/1/11

DEVELOPMENT METHOD Submersible Pump

DRILLING CONTRACTOR Earth Exploration

DRILLER Doug Carlson

RIG TYPE Geoprobe 6620

WELL CONSTRUCTION DIAGRAM

Michigan Plaza / Michigan Apts.

Indianapolis, Indiana

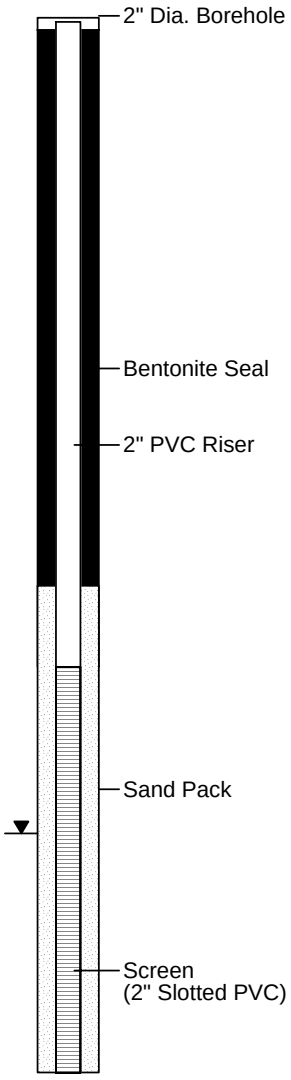
Project Number:	M01046
Drawing File:	MWW-P-12D Construction Diagram
Date Prepared:	12/15/11
Scale:	Not to Scale
Drn. By: ABW	Ckd. By: SEW
Approved By:	JAM

Mundell
Consulting Professionals for the Earth and the Environment
110 South Downey Avenue
Indianapolis, Indiana 46219-6406

Boring/Well ID: MMW-P-12S

CLIENT: AIMCO	FIELD SCIENTIST: Sarah Webb, L. P. G.
PROJECT LOCATION: Indianapolis, Indiana	DATE BEGAN: 9/1/11
PROJECT NAME: Michigan Meadows Apts	DATE FINISHED: 9/1/11
PROJECT NUMBER: M01046	DRILLING METHOD: Direct Push
DRILLING CONTRACTOR: Earth Exploration	DRILLING EQUIPMENT: Geoprobe 6620
DRILLER: Doug Carlson	GW DEPTH (OBSERVED): 20.0 ft
BORING LOCATION: NW of Michigan Plaza	SURFACE ELEVATION: NS

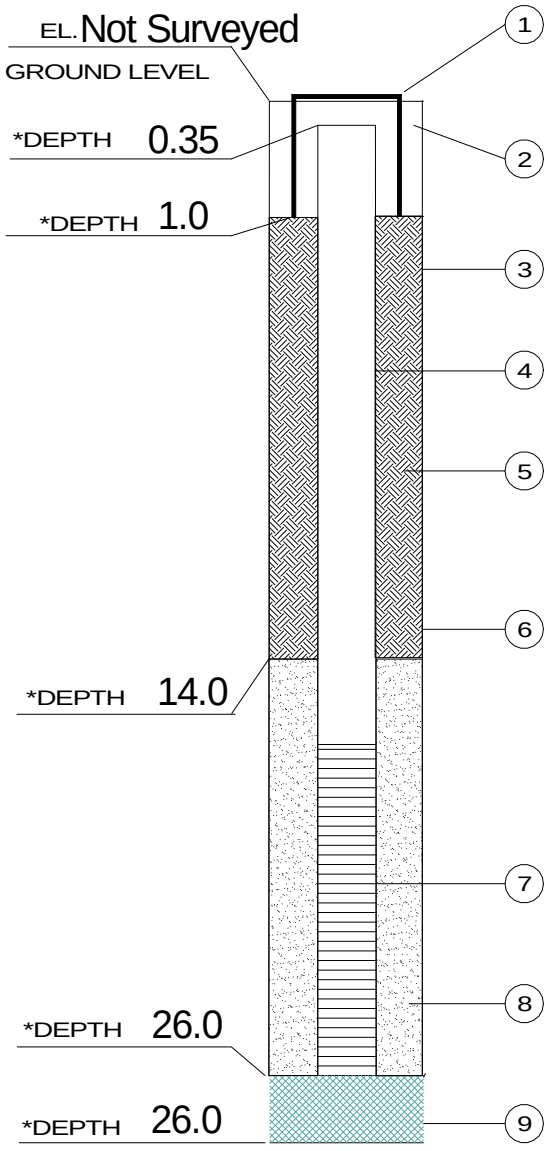
Depth BGS (ft)	USCS Symbol	Lithologic Description	Stratum Depth (ft)	TPV (ppm)	Recovery %	Sample Location	Sample ID
0		Asphalt	0.5				
1	SM	SILTY SAND with trace gravel, brown (10YR 5/3), dense, dry		3.7	75		
2				4.4			
3		No Recovery 3 to 4 ft		-			
4							
5	SW	SAND with trace gravel, Well Graded, brown (10YR 5/3), loose	5.0	7.5	75		
6				6.3			
7		No Recovery 7 to 8 ft		-			
8							
9		Some GRAVEL 8 to 11 ft		8.6	75		
10							
11		No Recovery 11 to 12 ft		8.3			
12	SM	SILTY SAND, Well Graded, brown (10YR 5/3), dense, dry	12.0	-			
13			13.0	13.2	50		
14	SW	SAND with some gravel, Well Graded, brown (10YR 5/3) with some yellowish red (5YR 5/8) oxidation, dense					
15		No Recovery 14 to 16 ft		-			
16							
17		Fine to medium SAND, moist 16 to 18 ft		35.6	50		
18							
19		No Recovery 18 to 20 ft		-			
20	SW-GW	SAND and GRAVEL, Well Graded, grayish brown (10YR 5/2), dense, wet	20.0	4.2	38		
21	CL		21.0				
22		Fine to medium SAND 20.5 to 21 ft	21.5				
23	SW	SILTY CLAY, gray (2.5YR 5/1), hard, wet		-			
24		Fine to medium SAND with trace gravel, grayish brown (10YR 5/2), dense, wet	24.0				
25	GW	Medium to coarse SAND and GRAVEL seam at 21.5 ft		5.5	100		
26		No Recovery 22.5 to 24 ft	26.0				
27		Fine to coarse GRAVEL, brownish gray (10YR 6/2), dense, wet					
28		SAND and GRAVEL 25.5 to 26 ft					
29		End of boring at 26 ft					



REMARKS:
BGS = Below Ground Surface
USCS = Unified Soil Classification System
TPV = Total Photoionizable Vapors
NS = Not Surveyed

WELL CONSTRUCTION DIAGRAM

WELL NO. MMW-P-12S



*DEPTH IN FEET BELOW GROUND LEVEL

GEOLOGIST/FIELD SCIENTIST
Sarah Webb, L.P.G.

1. PROTECTIVE CASING I.D. 8.0 INCHES
2. SURFACE SEAL TYPE Concrete Cement
3. BOREHOLE DIAMETER 2.0 INCHES
4. RISER PIPE:
   a. Type Schedule 40 PVC
   b. I.D. 2.0 INCHES
   c. Length 16.0 FEET
   d. Joint Type Flush Threaded
5. BACKFILL:
   a. Type Crushed Bentonite
   b. Installation Poured
6. TYPE OF SEAL Grout Barrier
7. SCREEN:
   a. Type Schedule 40 PVC
   b. I.D. 2.0 INCHES
   c. Slot Size 0.01 INCHES
   d. Length 10.0 FEET
8. SCREEN FILTER TYPE #4 Sand
9. BACKFILL TYPE Natural Cave / Poured Sand

DATE COMPLETED 9/1/11
DEVELOPMENT METHOD Submersible Pump
DRILLING CONTRACTOR Earth Exploration
DRILLER Doug Carlson
RIG TYPE Geoprobe 6620

WELL CONSTRUCTION DIAGRAM

Michigan Plaza / Michigan Apts.

Indianapolis, Indiana

Project Number:	M01046
Drawing File:	MWW-P-12S Construction Diagram
Date Prepared:	12/15/11
Scale:	Not to Scale
Drn. By: ABW	Ckd. By: SEW
Approved By:	JAM

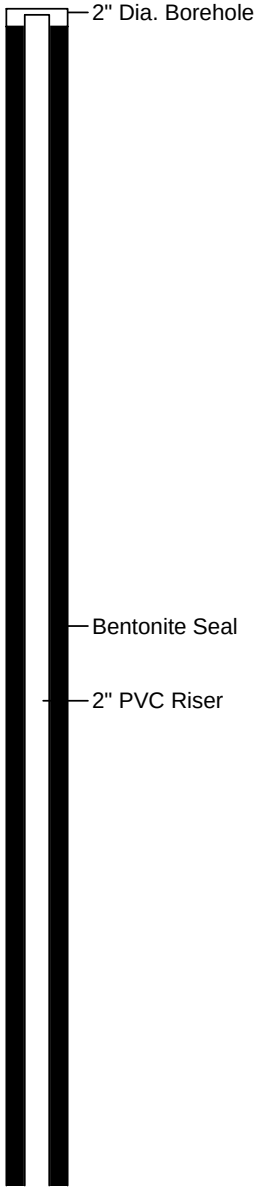
Mundell
Consulting Professionals for the Earth and the Environment
110 South Downey Avenue
Indianapolis, Indiana 46219-6406

Boring/Well ID: MMW-P-13D

CLIENT: AIMCO	FIELD SCIENTIST: Sarah Webb, L. P. G.
PROJECT LOCATION: Indianapolis, Indiana	DATE BEGAN: 8/31/11
PROJECT NAME: Michigan Meadows Apts	DATE FINISHED: 8/31/11
PROJECT NUMBER: M01046	DRILLING METHOD: Direct Push
DRILLING CONTRACTOR: Earth Exploration	DRILLING EQUIPMENT: Geoprobe 6620
DRILLER: Doug Carlson	GW DEPTH (OBSERVED): 20.0 ft
BORING LOCATION: W of Michigan Plaza	SURFACE ELEVATION: NS

Depth BGS (ft)	USCS Symbol	Lithologic Description	Stratum Depth (ft)	TPV (ppm)	Recovery %	Sample Location	Sample ID
0		Grass/Topsoil	0.5				
1	SM	SILTY SAND with trace gravel, brown (10YR 5/3), dense		0.8	75		
2				0.8			
3		Fine to medium SAND, loose 2.5 to 3 ft					
4		No Recovery 3 to 4 ft	4.0	-			
5	SW-GW	SAND and GRAVEL, Well Graded, brown (10YR 5/3), loose, dry		0.9	50		
6							
7		No Recovery 6 to 8 ft		-			
8							
9				1.0	75		
10							
11				1.0			
12		No Recovery 11 to 12 ft		-			
13		Yellowish red (5YR 5/8) oxidation 12 to 13.5 ft		0.9			
14	SW	SAND with trace gravel, Well Graded, brown (10YR 5/3), loose, moist	13.5	1.2	75		
15							
16		No Recovery 15 to 16 ft		-			
17				0.7		*	Soil Sample SBP13D:160180
18	ML	SILT and fine SAND with trace coarse sand and gravel, brown (10YR 5/3), dense, moist	17.5		75		
19	SW	Fine to medium SAND with trace gravel, brown (10YR 5/3), dense	18.0	1.2			
20		No Recovery 19 to 20 ft		-			

MMW-P-13D



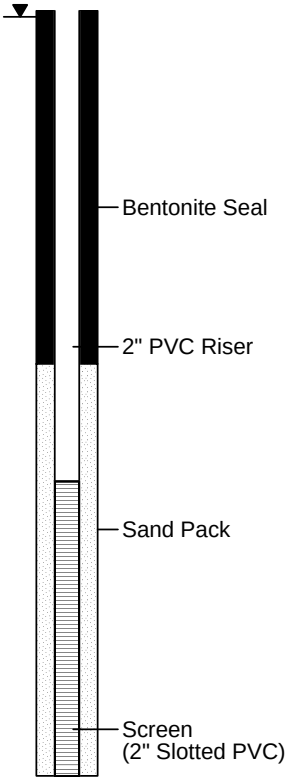
REMARKS:
BGS = Below Ground Surface
USCS = Unified Soil Classification System
TPV = Total Photoionizable Vapors
NS = Not Surveyed

Boring/Well ID: MMW-P-13D

CLIENT: AIMCO	FIELD SCIENTIST: Sarah Webb, L. P. G.
PROJECT LOCATION: Indianapolis, Indiana	DATE BEGAN: 8/31/11
PROJECT NAME: Michigan Meadows Apts	DATE FINISHED: 8/31/11
PROJECT NUMBER: M01046	DRILLING METHOD: Direct Push
DRILLING CONTRACTOR: Earth Exploration	DRILLING EQUIPMENT: Geoprobe 6620
DRILLER: Doug Carlson	GW DEPTH (OBSERVED): 20.0 ft
BORING LOCATION: W of Michigan Plaza	SURFACE ELEVATION: NS

Depth BGS (ft)	USCS Symbol	USCS Graphic	Lithologic Description	Stratum Depth (ft)	TPV (ppm)	Recovery %	Sample Location	Sample ID
20				20.0				
21	SW-GW		Coarse SAND and GRAVEL, brown (10YR 5/3), dense, wet		1.3	75		
22			Fine to medium SAND 22 to 22.5 ft		1.6			
23			No Recovery 23 to 24 ft		-			
24			Fine SAND 24 to 25 ft		1.2	50	*	Water Sample SBP13D:240
25								
26								
27			No Recovery 26 to 28 ft		-			
28					3.1	63		
29			Color change to brownish gray (10YR 6/2) 28 to 30.5 ft					
30					2.5			
31			No Recovery 30.5 to 32 ft		-			
32			Color change to gray (2.5Y 5/1) 32 to 33 ft		2.5		*	Water Sample SBP13D:320
33				33.0				
34	CL		SILTY CLAY, gray (2.5Y 5/1), hard, dry		1.3	75		
35								
36			No recovery 35 to 36 ft		-			
37					1.8	100	*	Soil Sample SBP13D:360380
38				38.0				
39			End of boring at 38 ft					
40								

MMW-P-13D



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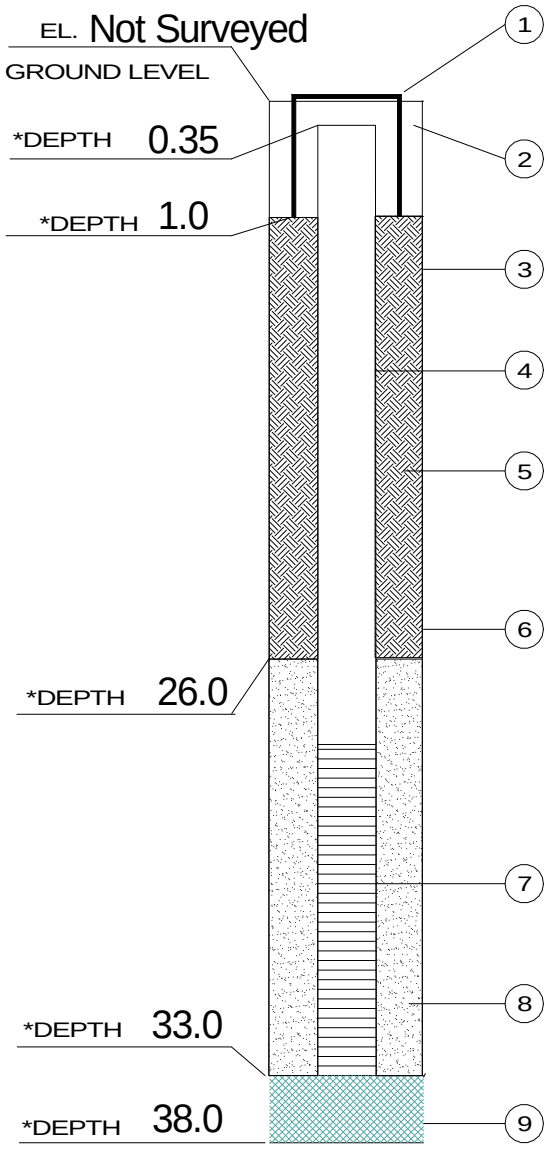
WELL CONSTRUCTION DIAGRAM

WELL NO. MMW-P-13D



*DEPTH IN FEET BELOW GROUND LEVEL

GEOLOGIST/FIELD SCIENTIST
Sarah Webb, L.P.G.

1. PROTECTIVE CASING I.D. 8.0 INCHES
2. SURFACE SEAL TYPE Concrete Cement
3. BOREHOLE DIAMETER 2.0 INCHES
4. RISER PIPE:
   a. Type Schedule 40 PVC
   b. I.D. 2.0 INCHES
   c. Length 28.0 FEET
   d. Joint Type Flush Threaded
5. BACKFILL:
   a. Type Crushed Bentonite
   b. Installation Poured
6. TYPE OF SEAL Grout Barrier
7. SCREEN:
   a. Type Schedule 40 PVC
   b. I.D. 2.0 INCHES
   c. Slot Size 0.01 INCHES
   d. Length 5.0 FEET
8. SCREEN FILTER TYPE #4 Sand
9. BACKFILL TYPE Natural Cave / Poured Sand

DATE COMPLETED 8/31/11

DEVELOPMENT METHOD Submersible Pump

DRILLING CONTRACTOR Earth Exploration

DRILLER Doug Carlson

RIG TYPE Geoprobe 6620

WELL CONSTRUCTION DIAGRAM

Michigan Plaza / Michigan Apts.

Indianapolis, Indiana

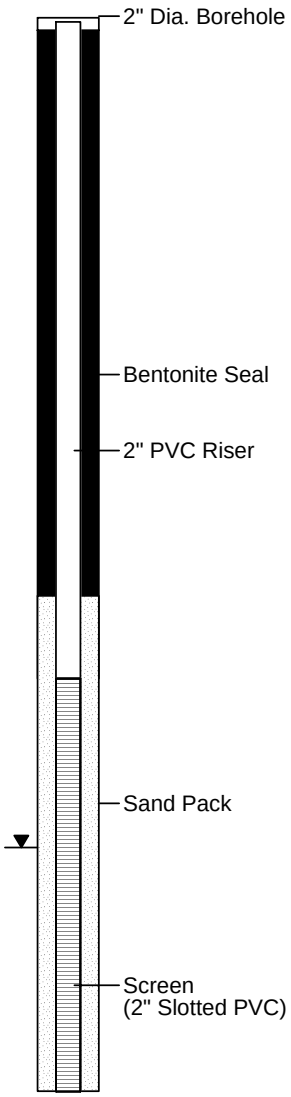
Project Number:	M01046
Drawing File:	MWW-P-13D Construction Diagram
Date Prepared:	12/15/11
Scale:	Not to Scale
Drn. By: ABW	Ckd. By: SEW
Approved By:	JAM

Mundell
Consulting Professionals for the Earth and the Environment
110 South Downey Avenue
Indianapolis, Indiana 46219-6406

Boring/Well ID: MMW-P-13S

CLIENT: AIMCO	FIELD SCIENTIST: Sarah Webb, L. P. G.
PROJECT LOCATION: Indianapolis, Indiana	DATE BEGAN: 8/31/11
PROJECT NAME: Michigan Meadows Apts	DATE FINISHED: 8/31/11
PROJECT NUMBER: M01046	DRILLING METHOD: Direct Push
DRILLING CONTRACTOR: Earth Exploration	DRILLING EQUIPMENT: Geoprobe 6620
DRILLER: Doug Carlson	GW DEPTH (OBSERVED): 20.0 ft
BORING LOCATION: W of Michigan Plaza	SURFACE ELEVATION: NS

Depth BGS (ft)	USCS Symbol	Lithologic Description	Stratum Depth (ft)	TPV (ppm)	Recovery %	Sample Location	Sample ID
0		Grass/Topsoil	0.5	1.5	60		
1–3	SM	SILTY SAND with trace gravel, brown (10YR 5/3), very dense Fine SAND at 2 ft No Recovery 2 to 4 ft		-			
4			4.0				
4–7	SW-GW	SAND and GRAVEL, Well Graded, brown (10YR 5/3), loose, dry No Recovery 6.5 to 8 ft		0.6 0.9 -	63		
8–11	SW-GW	More dense 8 to 11 ft		1.3 1.3	75		
11–12	SW-GW	No Recovery 11 to 12 ft		-			
12–15	SW-GW	Yellowish red (5YR 5/8) oxidation 12 to 13.5 ft No Recovery 15 to 16 ft		1.6 1.4 -	75		
16			16.0				
16–17	SW	Fine to medium SAND with trace gravel, brown (10YR 5/3), dense, moist		1.6	75		
17	ML	Yellowish red (5YR 5/8) oxidation at 17 ft	17.5				
18			18.0				
18–19	SW-GW	SILT with trace sand and gravel, brownish gray (10YR 6/2), hard, moist		1.5			
19–20	SW-GW			-			
20–22	SW-GW	Coarse SAND and GRAVEL, brown (10YR 5/3), dense No Recovery 19 to 20 ft Wet below 20 ft		1.4 1.7	75		
23	SW-GW	No Recovery 23 to 24 ft		-			
24–25	SW-GW	Fine SAND with trace coarse sand 24 to 25 ft		2.3	88		
26–27	SW-GW	Fine SAND with trace coarse sand and gravel 25.5 to 26 ft		2.3			
28	SW-GW	No Recovery 27.5 to 28 ft	28.0	-			
		End of boring at 28 ft					



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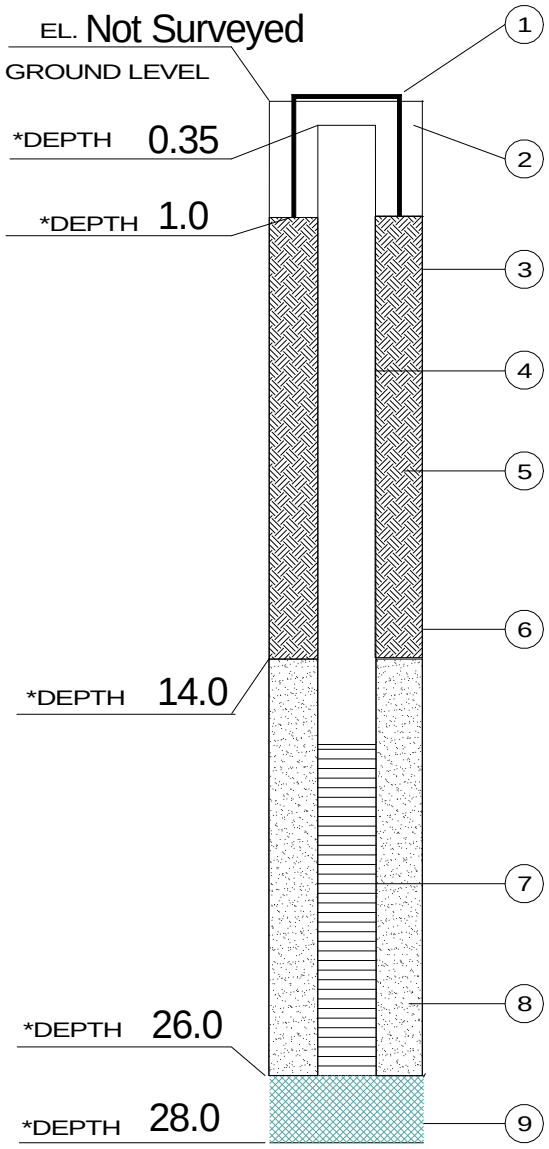
WELL CONSTRUCTION DIAGRAM

WELL NO. MMW-P-13S



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GEOLOGIST/FIELD SCIENTIST
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   b. Installation Poured
6. TYPE OF SEAL Grout Barrier
7. SCREEN:
   a. Type Schedule 40 PVC
   b. I.D. 2.0 INCHES
   c. Slot Size 0.01 INCHES
   d. Length 10.0 FEET
8. SCREEN FILTER TYPE #4 Sand
9. BACKFILL TYPE Natural Cave / Poured Sand

DATE COMPLETED 8/31/11

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